

IOWA DEPARTMENT OF EDUCATION DATA WAREHOUSE: EDINSIGHT

Overview

The transformation of the data infrastructure for the Iowa Department of Education (DE), and to a certain degree the education data infrastructure throughout the state, has begun. As of the beginning of January 2008, the DE entered into a contract with Claraview, Inc., for a data warehouse, a.k.a. EdInsight. EdInsight has a "back end" that will have three sets of data loaded during implementation: Project EASIER, which is student level data; IMS, special education student level data; and Iowa Testing Program student level data. EdInsight will link all these disparate data together for analysis across these domains of information enabling new and meaningful analysis. On the "front end," different education stakeholders (DE staff, area education agency staff, and local district staff) can access data in preformatted reports and more sophisticated analytical tools, dependent on the user's expertise and security clearances.

Implementing EdInsight will take over two years. The DE has received federal funding to support outreach to a wide variety of stakeholders to design the preformatted reports and analysis tools. The DE has recently completed a prototype version of the data warehouse. Full blown development of version 1.0 is currently underway and will be completed in March 2009.

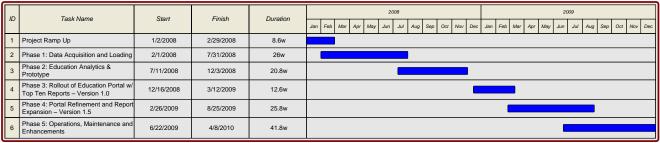
Vision

Provide the Iowa education community consistent and accurate longitudinal information on education outcomes and the analytical tools needed to improve decision making and student success.

Goals

- 1. Provide the education community a single repository of combined data from multiple sources on one common system.
- 2. Provide tools and training in the use of data for benchmarking and longitudinal and comparative analysis.
- 3. Empower data driven decision making for education stakeholders.
- 4. Increase confidence in data by defining and implementing processes to improve data consistency, reliability and quality.

Proposed Timeline



Solution Architecture Claraview Project Management ETL. Data Warehouse, and EDEN File Production **Education Analytics** Phase II Roadmap Project EASIER Portal Authenticated Phase eScholar Complete Data Data Warehouse Manage (eDM) Ad hoc and OLAF LEA/AEA Users ITBS/ (CDW) Phase IMS Public Users Phase V Operations, Maintenance and Enhancements - Transition Operations to the DE

Data and Reporting Needs Assessment

The DE partnered with Iowa AEA's to conduct a data and reporting needs assessment among local school districts and area education agency staff from across the state. The goal of this assessment was to solicit user input on the portal design and reporting interfaces for the statewide rollout of EdInsight. The DE utilized a two-pronged approach in gathering information by: 1) conducting a statewide survey to quantify the magnitude of responses and 2) convening a series of focus groups to capture the depth and breadth of qualitative aspects. The target audience contained district superintendents, principals, assessment coordinators, curriculum directors, teachers and other district personnel, as well as AEA staff. There were 179 participants in the 20 focus groups held statewide, two per AEA, and 445 survey respondents. Triangulating findings from both of these techniques led to the selection of the first ten report areas:

Initial Ten Report Areas for EdInsight Rollout			
Assessment/Growth Curriculum			
Equity School Improvement Special Education			
AYP Report	Transfer of Student Historical Data/Student Profile		
APR Report	School/District Comparison		
Enrollment	School Report Card for the Public		

Committees

To ensure stakeholder input into EdInsight is on-going and addresses the needs of the entire education community, four committees support EdInsight in different ways: Steering directs; Advisory shapes; Data Governance defines, and Project Management engineers.

Budget

The DE has been appropriated cumulatively \$1.2 million in initial funding from the legislature for the EdInsight project through FY 09. The initial implementation will cost the DE \$2.9 million. The Department is exploring other avenues for sustained funding.



EdInsight Report Numbers

Family	Subject Area	Main Report Areas	Sub Report Areas	Student Detail Report
1.0 ASMT Assessment / Growth	ASMT 1.1 – Individual Reports	ASMT 1.1.1 Individual Performance Detail ASMT 1.1.2 Individual Performance Trend and Comparison		
	ASMT 1.2 - Group Reports			
	ASMT 1.3 - Cohort Reports			
	ASMT 1.4 – Assessment Cube ASMT 1.5 - Alternate Assessment			
2.0 EQTY	Equity / School Improvement	EQTY 2.1 – AEA/District Equity Report	•	
4.0 APR	APR Report	APR 4.1 – Student Achievement APR 4.2 – School Report Card for the Public		
5.0 ENRL	Enrollment	ENRL 5.1 – Attendance Report ENRL 5.2 – Certified Enrollment Report		
6.0 CURR	Curriculum	CURR 6.1 – Curriculum Accreditation Report CURR 6.2 – Student Course History Report CURR 6.3 – College Credit Course Report CURR 6.4 – Higher Level Course Report		Student Level Detai Report
7.0 SPED	Special Education	SPED 7.1 – Suspensions and Expulsions SPED 7.2 – Achievement SPED 7.3 – Graduation SPED 7.4 – Drop Out SPED 7.5 – Disproportionality		
9.0 UTIL	Utilities	UTIL 9.1 – Transfer of Historical Data UTIL 9.2 – School and District Comparison Report		
11.0 IND	Student Indicators	IND 11.1 - Graduation IND 11.2 - Drop Out IND 11.3 - Attendance IND 11.4 - Discipline		
12.0 PRGM	Program Indicators	PRGM 12.1 - At Risk PRGM 12.2 - Talented and Gifted		

